

SEQUENCE LISTING

<110> Zhou, Qun-Yong
Ehlert, Frederick

<120> Prokineticin Polypeptides, Related
Compositions and Methods

<130> P-UC 5016

<150> 60/245,882

<151> 2000-11-03

<160> 19

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<210> 1

<211> 1377

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (55)...(369)

<400> 1

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Arg Gly Ala Thr Arg Val Ser Ile Met Leu Leu Leu Val Thr Val Ser
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gac tgt gct gtg atc aca ggg gcc tgt gag cgg gat gtc cag tgt ggg 153
Asp Cys Ala Val Ile Thr Gly Ala Cys Glu Arg Asp Val Gln Cys Gly
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gca ggc acc tgc tgt gcc atc agc ctg tgg ctt cga ggg ctg cgg atg 201
Ala Gly Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg Met
      35              40              45

tgc acc ccg ctg ggg cgg gaa ggc gag gag tgc cac ccc ggc agc cac 249
Cys Thr Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser His
      50              55              60              65

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Lys Val Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu
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10016491.100101

Pro Asn Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser
85 90 95

atg gac ttg aag aac atc aat ttt taggcgcttg cctgggtctca ggataccac 399
Met Asp Leu Lys Asn Ile Asn Phe
100 105

catccttttc tgagcacagc ctggattttt atttctgcca tgaaacccag ctcccatgac 459
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<210> 2
<211> 105
<212> PRT
<213> Homo sapiens

<400> 2
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Ser Asp Cys Ala Val Ile Thr Gly Ala Cys Glu Arg Asp Val Gln Cys
20 25 30
Gly Ala Gly Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg
35 40 45
Met Cys Thr Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser
50 55 60
His Lys Val Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys
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Leu Pro Asn Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys
85 90 95
Ser Met Asp Leu Lys Asn Ile Asn Phe
100 105

<210> 3
<211> 86
<212> PRT
<213> Homo sapiens

<400> 3

10016481 10101

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			20					25					30		
Pro	Leu	Gly	Arg	Glu	Gly	Glu	Glu	Cys	His	Pro	Gly	Ser	His	Lys	Val
		35				40						45			
Pro	Phe	Phe	Arg	Lys	Arg	Lys	His	His	Thr	Cys	Pro	Cys	Leu	Pro	Asn
	50					55					60				
Leu	Leu	Cys	Ser	Arg	Phe	Pro	Asp	Gly	Arg	Tyr	Arg	Cys	Ser	Met	Asp
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<210> 4

<211> 1406

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (10)...(333)

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Leu	Pro	Pro	Leu	Leu	Leu	Thr	Pro	Arg	Ala	Gly	Asp	Ala	Ala	Val	Ile	
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acc	ggg	gct	tgt	gac	aag	gac	tcc	caa	tgt	ggg	gga	ggc	atg	tgc	tgt	147
Thr	Gly	Ala	Cys	Asp	Lys	Asp	Ser	Gln	Cys	Gly	Gly	Gly	Met	Cys	Cys	
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			50					55					60			
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Lys	Leu	Gly	Asp	Ser	Cys	His	Pro	Leu	Thr	Arg	Lys	Val	Pro	Phe	Phe	
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Gly	Arg	Arg	Met	His	His	Thr	Cys	Pro	Cys	Leu	Pro	Gly	Leu	Ala	Cys	
		80				85					90					
tta	cgg	act	tca	ttt	aac	cga	ttt	att	tgt	tta	gcc	caa	aag			333
Leu	Arg	Thr	Ser	Phe	Asn	Arg	Phe	Ile	Cys	Leu	Ala	Gln	Lys			
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10016481.1001

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<210> 5
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 <213> Homo sapiens

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<400> 5
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Ala Cys Asp Lys Asp Ser Gln Cys Gly Gly Gly Met Cys Cys Ala Val
35 40 45
Ser Ile Trp Val Lys Ser Ile Arg Ile Cys Thr Pro Met Gly Lys Leu
50 55 60
Gly Asp Ser Cys His Pro Leu Thr Arg Lys Val Pro Phe Phe Gly Arg
65 70 75 80
Arg Met His His Thr Cys Pro Cys Leu Pro Gly Leu Ala Cys Leu Arg
85 90 95
Thr Ser Phe Asn Arg Phe Ile Cys Leu Ala Gln Lys
100 105

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<210> 6
 <211> 81
 <212> PRT
 <213> Homo sapiens

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<400> 6
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20 25 30
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35 40 45
Pro Phe Phe Gly Arg Arg Met His His Thr Cys Pro Cys Leu Pro Gly

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10016431 "10101"

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<210> 7
<211> 21
<212> PRT
<213> Homo sapiens

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Lys Arg Lys Lys Glu
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<210> 8
<211> 21
<212> PRT
<213> Homo sapiens

<400> 8
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1 5 10 15
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<210> 9
<211> 19
<212> PRT
<213> Homo sapiens

<400> 9
Met Arg Gly Ala Thr Arg Val Ser Ile Met Leu Leu Leu Val Thr Val
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<210> 10
<211> 26
<212> PRT
<213> Homo sapiens

<400> 10
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<210> 11
 <211> 96
 <212> PRT
 <213> Bombina variegata

<400> 11
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 Gly Ser Gly Thr Cys Cys Ala Ala Ser Ala Trp Ser Arg Asn Ile Arg
 35 40 45
 Phe Cys Ile Pro Leu Gly Asn Ser Gly Glu Asp Cys His Pro Ala Ser
 50 55 60
 His Lys Val Pro Tyr Asp Gly Lys Arg Leu Ser Ser Leu Cys Pro Cys
 65 70 75 80
 Lys Ser Gly Leu Thr Cys Ser Lys Ser Gly Glu Lys Phe Lys Cys Ser
 85 90 95

<210> 12
 <211> 81
 <212> PRT
 <213> Dendroaspis polylepis polylepis

<400> 12
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 Thr Cys Cys Ala Val Ser Leu Trp Ile Lys Ser Val Arg Val Cys Thr
 20 25 30
 Pro Val Gly Thr Ser Gly Glu Asp Cys His Pro Ala Ser His Lys Ile
 35 40 45
 Pro Phe Ser Gly Gln Arg Lys Met His His Thr Cys Pro Cys Ala Pro
 50 55 60
 Asn Leu Ala Cys Val Gln Thr Ser Pro Lys Lys Phe Lys Cys Leu Ser
 65 70 75 80
 Lys

<210> 13
 <211> 81
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> synthetic construct

<400> 13
 Ala Val Ile Thr Gly Ala Cys Glu Arg Asp Val Gln Cys Gly Ala Gly
 1 5 10 15

1001341.10101

Thr	Cys	Cys	Ala	Ile	Ser	Leu	Trp	Leu	Arg	Gly	Leu	Arg	Met	Cys	Thr
			20					25					30		
Pro	Leu	Gly	Arg	Glu	Gly	Glu	Glu	Cys	His	Pro	Gly	Ser	His	Lys	Val
		35				40					45				
Pro	Phe	Phe	Gly	Arg	Arg	Met	His	His	Thr	Cys	Pro	Cys	Leu	Pro	Gly
	50				55					60					
Leu	Ala	Cys	Leu	Arg	Thr	Ser	Phe	Asn	Arg	Phe	Ile	Cys	Leu	Ala	Gln
65				70					75						80
Lys															

<210> 14
 <211> 86
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> synthetic construct

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Met	Cys	Cys	Ala	Val	Ser	Ile	Trp	Val	Lys	Ser	Ile	Arg	Ile	Cys	Thr
			20				25					30			
Pro	Met	Gly	Lys	Leu	Gly	Asp	Ser	Cys	His	Pro	Leu	Thr	Arg	Lys	Val
		35				40					45				
Pro	Phe	Phe	Arg	Lys	Arg	Lys	His	His	Thr	Cys	Pro	Cys	Leu	Pro	Asn
	50				55					60					
Leu	Leu	Cys	Ser	Arg	Phe	Pro	Asp	Gly	Arg	Tyr	Arg	Cys	Ser	Met	Asp
65				70					75						80
Leu	Lys	Asn	Ile	Asn	Phe										
				85											

<210> 15
 <211> 89
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> synthetic construct

Gly	Ile	Leu	Ala	Val	Ile	Thr	Gly	Ala	Cys	Glu	Arg	Asp	Val	Gln	Cys
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			20				25					30			
Met	Cys	Thr	Pro	Leu	Gly	Arg	Glu	Gly	Glu	Glu	Cys	His	Pro	Gly	Ser
		35				40					45				
His	Lys	Val	Pro	Phe	Phe	Arg	Lys	Arg	Lys	His	His	Thr	Cys	Pro	Cys
	50				55					60					
Leu	Pro	Asn	Leu	Leu	Cys	Ser	Arg	Phe	Pro	Asp	Gly	Arg	Tyr	Arg	Cys

80

<220>
<223> synthetic construct

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          20                    25                    30
Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser His Lys Val Pro
          35                    40                    45
Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu Pro Asn Leu
  50                    55                    60
Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser Met Asp Leu
65                    70                    75                    80
Lys Asn Ile Asn Phe
          85

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<220>
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                20                25                30
Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser His Lys Val
                35                40                45
Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu Pro Asn
                50                55                60
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65                70                75                80
Leu Lys Asn Ile Asn Phe
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<210> 18
<211> 87
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<212> PRT
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20 25 30
Thr Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser His Lys
35 40 45
Val Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu Pro
50 55 60
Asn Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser Met
65 70 75 80
Asp Leu Lys Asn Ile Asn Phe
85

<210> 19
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic construct

<400> 19
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10016481.1001